

What is claimed is:

1. A deep bass sound booster device comprising:

a high-pass filter to which an input sound signal is fed and which permits only a frequency component higher than a predetermined frequency to pass through so as to output a resulting signal;

a bass booster to which the input sound signal is fed and which amplifies only a frequency component lower than the predetermined frequency and attenuates another frequency component so as to output a resulting signal;

a switch to which the signal output from the bass booster is fed at one end and which, when turned on, outputs that signal at another end; and

an adder to which the signal output from the high-pass filter is fed and to which the signal output from the switch is fed, the adder adding together those two signals and outputting a resulting signal.

2. A deep bass sound booster device as claimed in claim 1,

wherein the switch is turned on when the signal output from the high-pass filter and the signal output from the bass booster are added together and fed out of the deep bass sound booster device, and the switch is turned off when the signal output from the high-pass filter and the signal output from the bass booster are separately fed out of the deep bass sound booster device.

3. A deep bass sound booster device comprising:

a first adder to which two input sound signals are fed and which adds those

two signals together and outputs a resulting signal;

a bass booster to which the signal output from the first adder is fed and which amplifies only a frequency component lower than a predetermined frequency and attenuates another frequency component so as to output a resulting signal as a second sound output signal;

a second output terminal by way of which the signal output from the bass booster is fed out of the deep bass sound booster device; and

two processing blocks, each comprising:

a high-pass filter to which one of the two input sound signals is fed and which permits only a frequency component higher than the predetermined frequency to pass through so as to output a resulting signal as a first sound output signal;

a switch to which the signal output from the bass booster is fed at one end and which, when turned on, outputs that signal at another end;

a second adder to which the signal output from the high-pass filter is fed and to which the signal output from the switch is fed, the second adder adding together those two signals and outputting a resulting signal; and

a first output terminal by way of which the signal output from the second adder is fed out of the deep bass sound booster device.

4. A deep bass sound booster device as claimed in claim 3, wherein the switch is turned on when the first and second sound output

signals are added together and fed out of the deep bass sound booster device by way of the first output terminal, and the switch is turned off when the first and second sound output signals are separately fed out of the deep bass sound booster device by way of the first and second output terminals, respectively.

5. A deep bass sound booster device comprising:

two processing blocks, each comprising:

an input terminal by way of which an input sound signal is fed into the deep bass sound booster device;

a high-pass filter to which the input sound signal is fed from the input terminal and which permits only a frequency component higher than a predetermined frequency to pass through so as to output a resulting signal as a first sound output signal;

a bass booster to which the input sound signal is fed from the input terminal and which amplifies only a frequency component lower than the predetermined frequency and attenuates another frequency component so as to output a resulting signal as a second sound output signal;

a switch to which the signal output from the bass booster is fed at one end and which, when turned on, outputs that signal at another end;

a first adder to which the signal output from the high-pass filter is fed and to which the signal output from the switch is fed, the first adder adding together those two signals and outputting a resulting

signal; and

a first output terminal by way of which the signal output from the first adder is fed out of the deep bass sound booster device; and
a second adder to which two signals output respectively from the high-pass filter of each of the two processing blocks are fed and which adds those two signals together and outputs a resulting signal; and

a second output terminal by way of which the signal output from the second adder is fed out of the deep bass sound booster device.

6. A deep bass sound booster device as claimed in claim 5,
wherein the switch is turned on when the first and second sound output signals are added together and fed out of the deep bass sound booster device by way of the first output terminal, and the switch is turned off when the first and third sound output signals are separately fed out of the deep bass sound booster device by way of the first and second output terminals, respectively.